Engineers' Play in Basing the Stryker Brigade

COL Steven T. Perrenot

Director of Public Works

Fort Lewis, Washington

PWC04: Engineers' Play in Basing the Stryker Brigade

1515-1615 Hrs., 3 December 2003

Engineers' Play in Basing the Stryker Brigade

1. Lessons Learned
2. Importance of Engineers/IMA tied to Army Operations
3. Stryker Brigade Footprint

1. Lessons Learned

- Transformation Support and Equipment Fielding
- Maintenance Concept
- Training Support Facilities
- Ammunition Storage Requirements
- Unit Population Surge
- Deployment/Deployability

Transformation Support and Equipment Fielding to SBCT

- DOL turn-in
  effort in orde
  light brigade
- There was a
  space in whi
  equipment t
- A G7 staff wi
  established t
- Requirement
  to store in-b

Transformation Support and Equipment Fielding to SBCT

- Additional r
  facilities we
  mounted ec
  - Building #
    of C4ISR n
- The Stryker
  large facilit
  #3041) wh
  configuratic

Transformation Support and Equipment Fielding to SBCT

- Administr
  needed fo
  Transform
  Coordinat
  General D
  Foreign C
  supportin
  transform

Maintenance Concept for SBCT

- Early DD1391 documents for maintenance facilities reflected evolution of SBCT Organization and Operational (O&O).
- Only BSB, CSSC and contract maintenance authorized mechanics determined the number of maintenance bays.
- Current facilities. Hardstand requirements, not number of mechanics, drove vehicle maintenance facilities.

Maintenance Concept for SBCT

- Current facilities supported a heavy brigade.
- Evolution of maintenance. Mechanics moved from Battalions to CSSC and BSB, and was augmented by contractors (MARC).
- Flexibility of design. Current design specific to Stryker vehicles, and not to standard maintenance concepts.

Maintenance Concept for SBCT

- Contractors equipment 3rd Brigade

Phase 1

Bde HHC

Engr C

M.I.

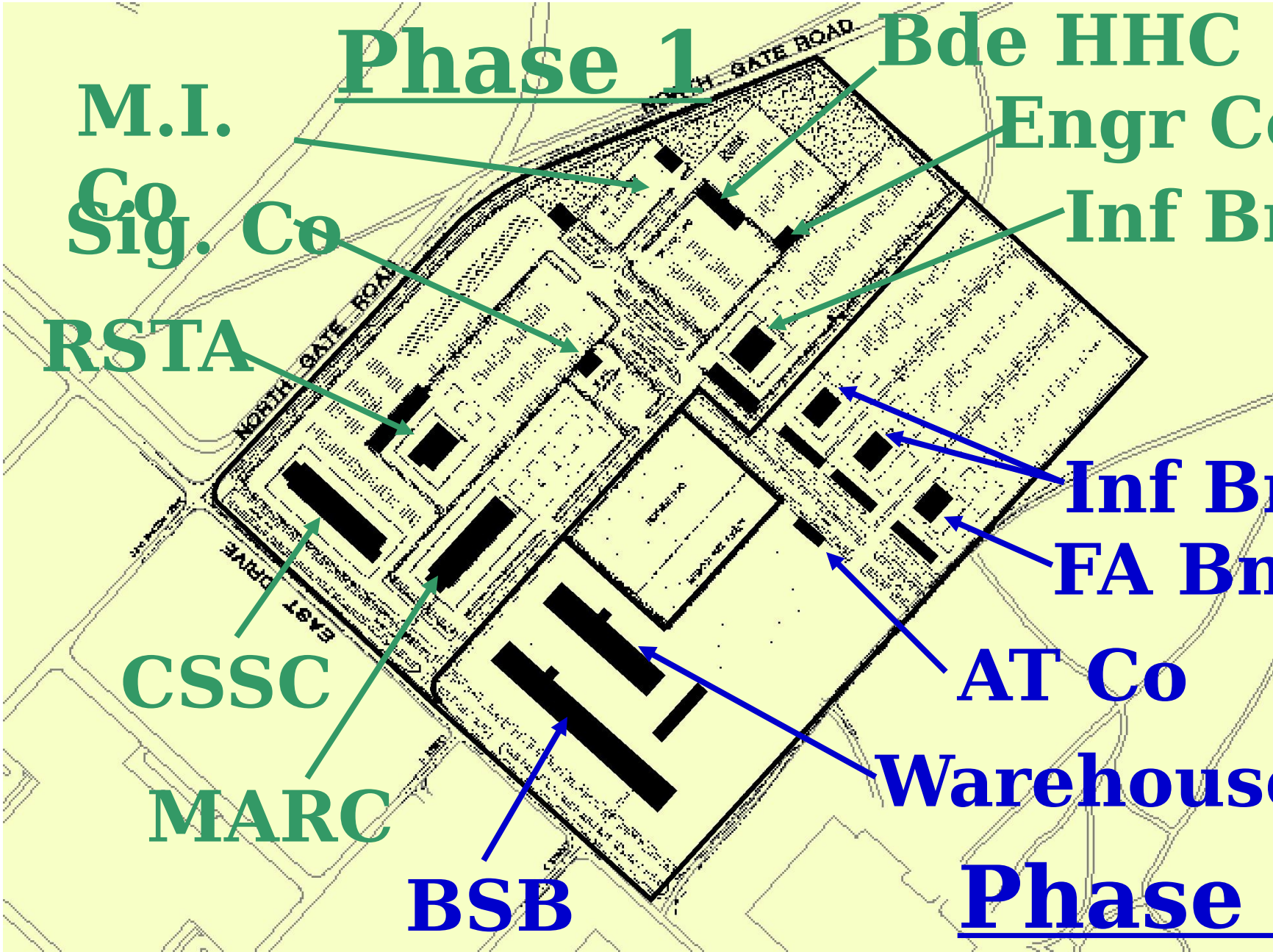
Co

Sig. Co

RSTA

CSSC

MAR


Phase 1
Bde HHC
M.I. Co
Engr Co
Sig. Co
Inf Bn
RSTA
Inf Bn
FA Bn
CSSC
AT Co
Warehouse
MARC
BSB
Phase
NORTH GATE ROAD
EAST DRIVE

Training Support Facilities

- Converting
  Combat Ta
  to a Missio
  (MSTF), to
- Constructi
  Shoot-hous
- Constructi
  Facilities.

Training Support Facilities

- Purchase of
  in which to
- In a time pe
  insufficient
  - Shortage
    and cons
    requirem
- Construct a

Ammunition Storage

- How much
  loaded on
  which wou
  ammunitic
- What part
  and what p
  ship was a

SBCT Unit Population Surge

- MOS changes within the brigade created an initial MOS surplus of 600-700 soldiers, which needed housing.
- Both SBCT transforming brigades increased in strength.
  - 3rd Bde 2nd ID (H) went from 3,900 to 4,000 soldiers.
  - 1st Bde 25th ID (L) went from 2,600 to 4,000 soldiers.

Deployment/Deployability

- How the S
  issue.
  - All by air
  - 1/3 by ai
  - All by shi
- A SBCT U
  was need
  going thro

2. Importance of Engineers/IMA tied to Army Operations

- MCA Program
- MCA Projects

MCA Program

- Obtain buy-in early in process for insertion of projects into the MCA Program.
  - 21 MCA Projects identified for insertion into Fort Lewis MCA Program
    - 3 Transformation Required Deployment Projects (TIP, Pallet/Container Handling Facility and railhead) were already programmed.
    - Maintenance evolved from individual Battalions having their own maintenance to a centralized maintenance concept with contractor support.

MCA Program

- Training facility requirements evolved as Stryker O&O was developed.
  - Temporary upgrades to existing facilities were made until new facilities could be programmed.
  - A MOUT facility was already programmed, and evolved to a much larger CACTF.
  - Digital upgrades to the MPRC and MPTR at YTC have been programmed.

MCA Projects

- The Combat Vehicle Trail and the ASP were finished before the 3rd Brigade completed Transformation and deployed to Iraq.
- None of the other Transformation Identified projects were completed before the 3rd Brigade deployed.

MCA Projects

- The Phase I Barracks and the Deployment TIP and Pallet/Container Handling Facility will be completed before 1st Brigade deploys.

- Phase I of the SBCT Vehicle Maintenance Shops will be completed shortly after the 1st Brigade deploys.

MCA Projects

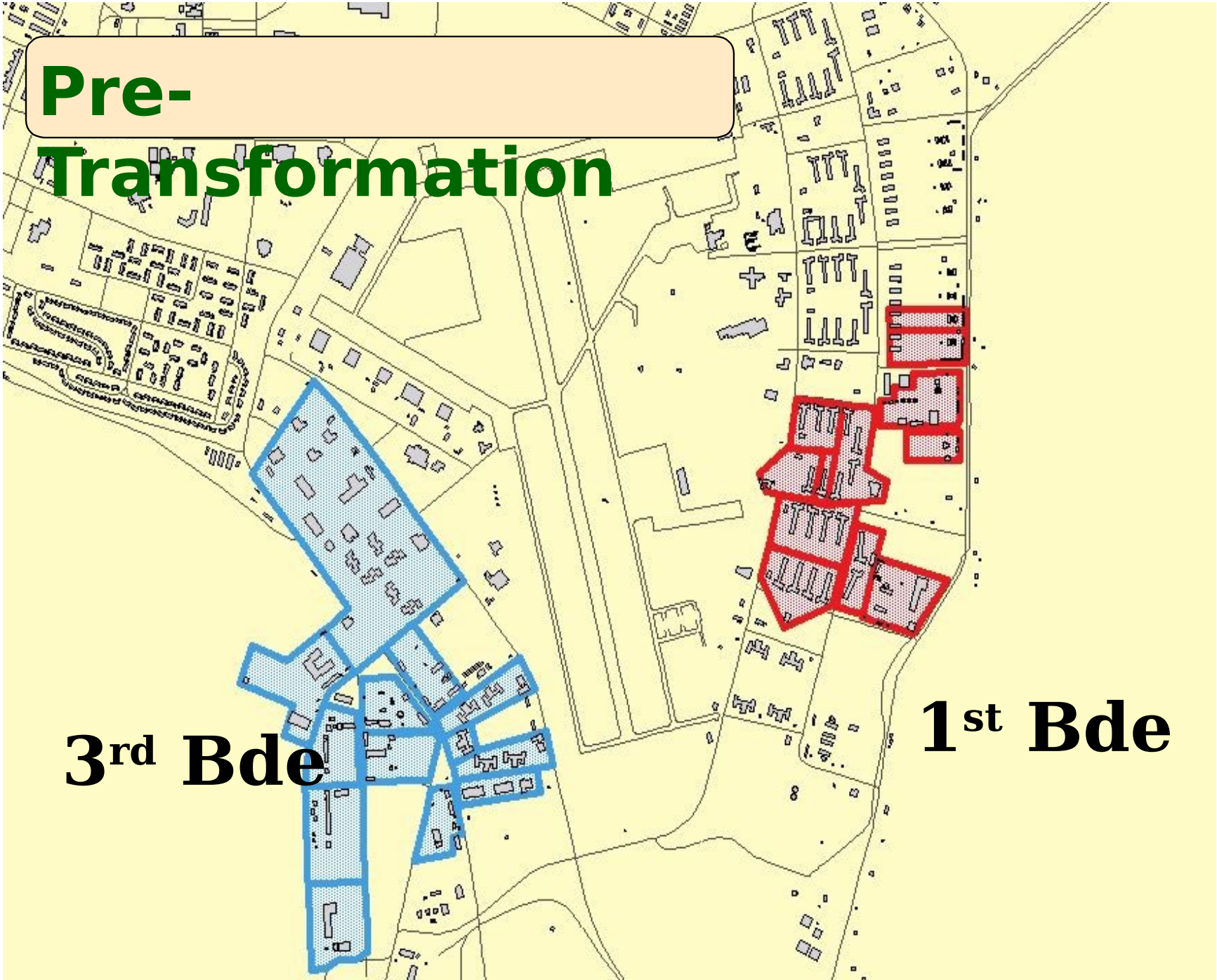
- The remaining 10 Programmed MCA Projects will be completed from December 2004 to FY 2010.

- 3 other Transformation projects are currently listed in the Long Range Program, without a Fiscal Year assigned.

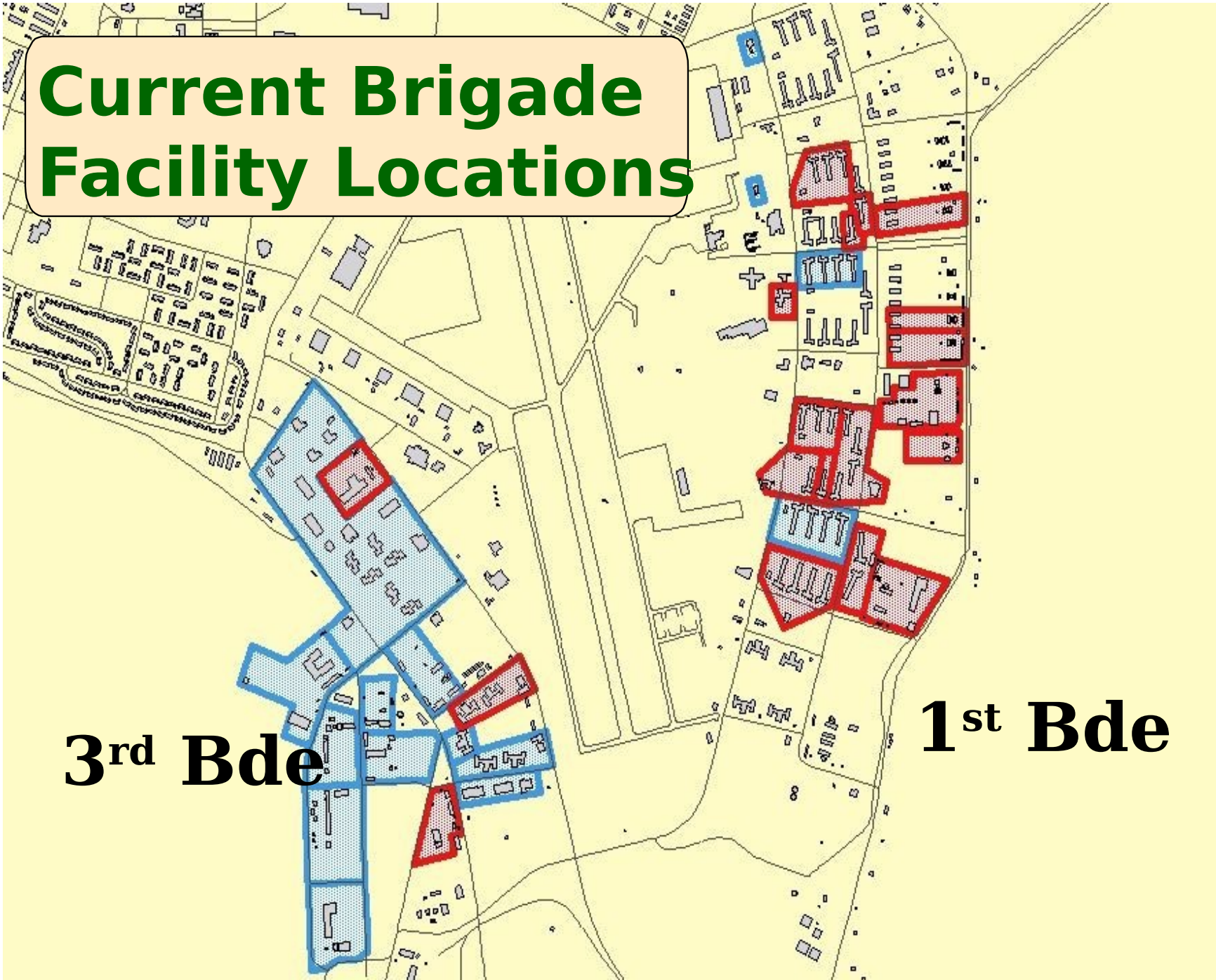
3. Stryker Brigade Footprint

- Footprint Prior to Transformation.
- Footprint During Transformation.
- Footprint After Transformation.

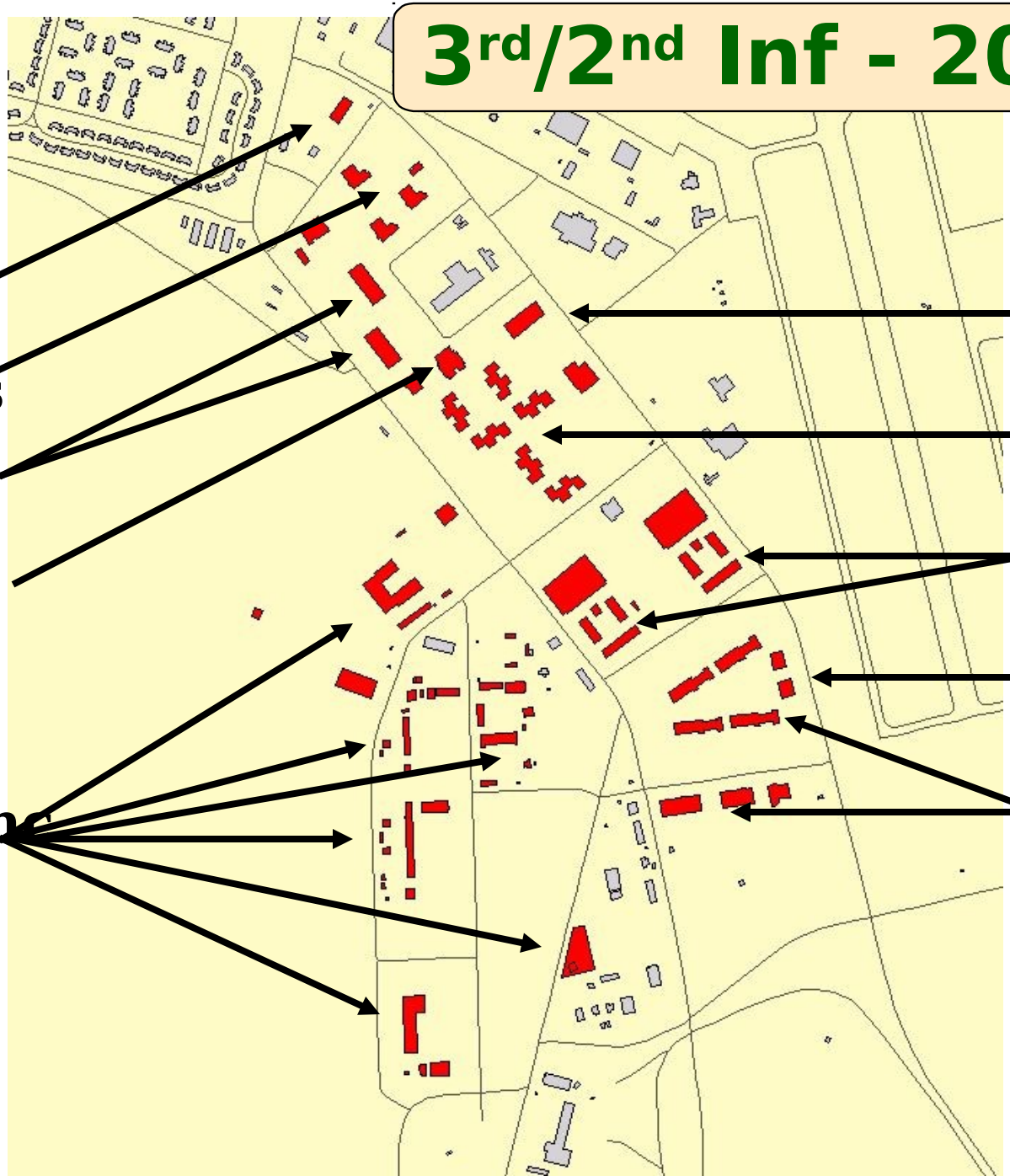
Pre-Transformation



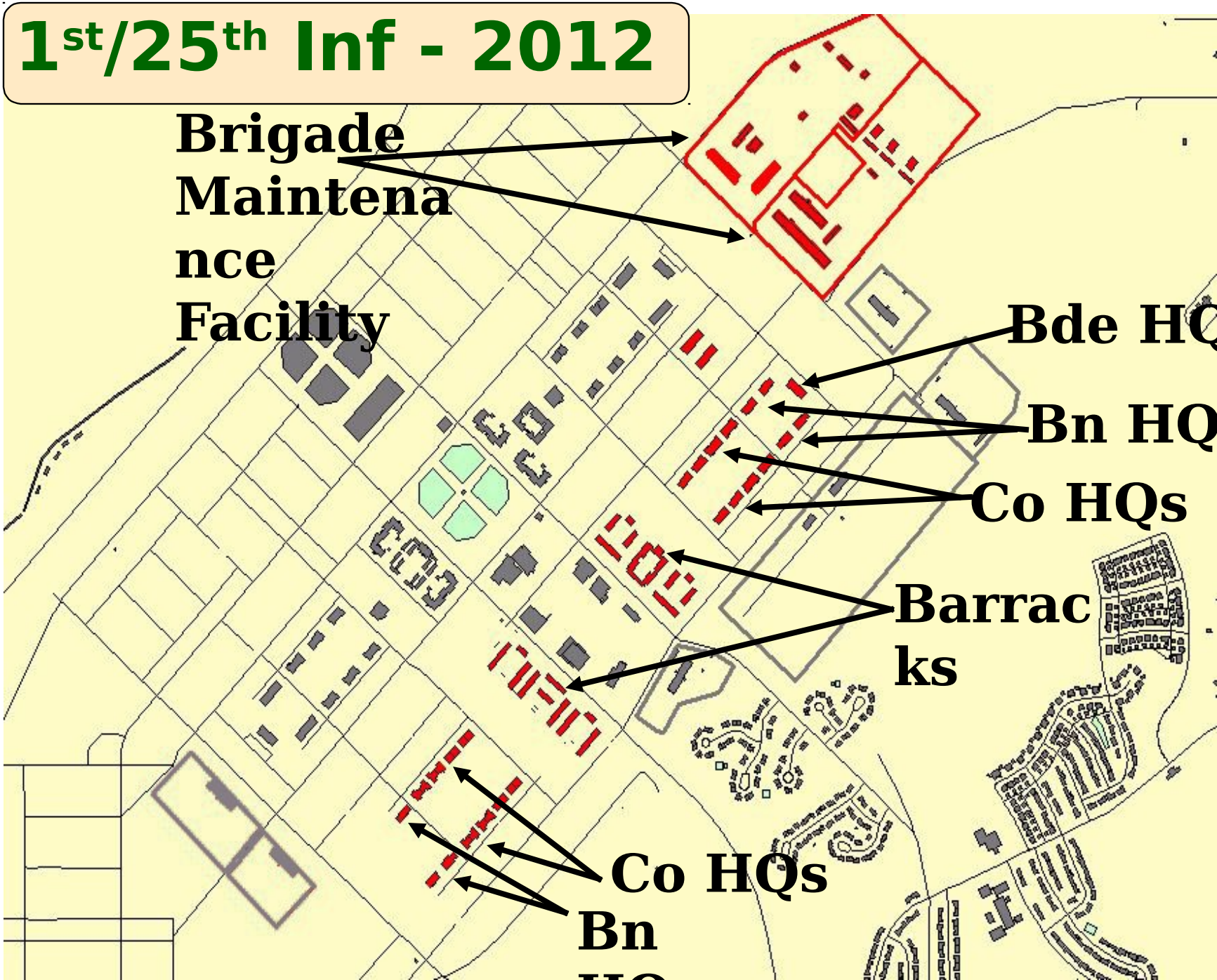
Current Brigade Facility Locations



3rd/2nd Inf - 2012



1st/25th Inf - 2012



SUMMARY

- Engineers part of the Fielding Team from the beginning.
- Process of Transforming the Army is moving faster than the MCA process
- Flexibility designed into facilities for changing Army Requirements
- Significantly higher technology and supporting contractors translate into additional facility requirements

Contact Information

Name: COL Steven T. Perrenot

Office: Director of Public Works, Fort Lewis

Address: Public Works, Attn: AFZH-PW

P. O. Box 339500, MS 17

Fort Lewis, WA 98433-9500

Telephone: Commercial – (253) 967- 3191

DSN – 347- 3191

Email: steven.t.perrenot@us.army.mil